

METHOD OF MAKING FLUOROCARBON
COATED BRAIDED HOSE ASSEMBLIES
ABSTRACT OF THE DISCLOSURE

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A method of making a lightweight hose assembly (10) of the type adapted for carrying fuels and other corrosive fluids. The method includes the steps of extruding an inner tubular liner (12) of a fluorocarbon material. Glass fibers are then braided about the exterior of the liner (12) to form a braided layer (13). The inner tubular liner (12) and braided layer (13) are then passed through a reservoir containing a dispersion including a fluorocarbon polymer material, carrying agent, and surfactant therein. The surfactant distributes the fluorocarbon material throughout the braided layer (13) and about the inner liner (12). Subsequently, the assembly (10) is heated to remove the carrying agent and surfactant therefrom. The assembly (10) is then sintered to cure the fluorocarbon polymer material into a coating (14) dispersed throughout the braided layer (13) and about the inner liner (12).

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